

## Uracil DNA Glycosylase

Suitable for Research and further Manufacturing Use

Catalog No:	BIO-27044
Lot No:	ME382-B097040
Storage Conditions:	-20°C
Component Lot No:	UNG-021107A
Expiry date:	August 2023

### Quality Control Parameters

Enzyme that efficiently hydrolyzes uracil from ssDNA or dsDNA. Endonuclease, exonuclease, nickase and RNase-free

Analysis	Specification	Result
Functional	dUTP PCR products are degraded on the addition of UDGase in the presence of 10x UDGase reaction buffer. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in line with a reference sample.	Passed
DNase contamination	Incubation of a 1Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection $2.5 \times 10^{-3}$ U DNase.	Passed

QA / QC Representative:



Andrew Galeeba-M

 Date: 7<sup>th</sup> July 2021

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## 10x UDGase Reaction Buffer

For research or further manufacturing use only

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